

**EXHIBIT VI. Supplemental Test Report For New Certification
Of A Previously Certified OEM Module**

FCC ID: AZ489FT7002

DIAD III +GPRS Portable Data Terminal

Certification Under Part 24

Prepared On Behalf Of

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Supplemental Test Report

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Note: Please refer to the original Certification data for FCC ID: IHDT6AC1 uploaded with this application for all other test report Exhibits.

EXHIBIT 6A TEST: RF Power Output

FCC ID: AZ489FT7002
 Grantee: Motorola, Inc.
 Model: F4413A

Minimum Standard Specified: .98 Watts (according to the Grant
 for the original OEM module) approved
 under Part 24

Test Results: The measured output power level on two samples shows
 compliance with the granted level of 0.98 Watt level.

Authorization Procedure: Part 2.1046

Nominal Rated Output Power: 30 dBm (+/- 2 dB)

Method of Measurement:

1. The transmitter was set at maximum power level "0" and modulated with pseudo random data.
2. The peak output power was measured with HP438A Power Meter & HP8482H Power Sensor.
3. The measured channels - 512, 661, and 810 covered the bottom, middle and top of the operational frequency range approved for this transmitter of 1850.2 – 1909.8MHz.

MEASUREMENT DATA**Tabular Results****Test Mode
TDMA**

PCS1900 DIAD S/N 168SBU3580			
Frequency (MHz)	Power (W)	Power (dBm)	Power Step
1850.2 (Ch.512)	0.930	29.68	0
1880.0 (Ch.661)	0.910	29.59	0
1909.8 (Ch.810)	0.900	29.54	0

**Test Mode
TDMA**

PCS1900 DIAD S/N 168SBL1805			
Frequency (MHz)	Power (W)	Power (dBm)	Power Step
1850.2 (Ch.512)	0.923	29.65	0
1880.0 (Ch.661)	0.897	29.53	0
1909.8 (Ch.810)	0.916	29.62	0

EXHIBIT 6G TEST: TRANSMITTER RADIATED SPURIOUS EMISSIONS

FCC ID: AZ489FT7002
 Grantee: Motorola, Inc.
 Model: F4413A
 Serial No.: ESN

Minimum Standard Specified: Part 22.917e & 24.238

Test Results: Equipment complies with standard

Authorization Procedure: Part 2.1053

Test Equipment Set Up: See Block Diagram in Exhibit 7

Frequency Range Observed: 0 to 20 GHz

Operating Frequencies: 1850.2, 1880, & 1909.8 MHz

Power Output: 0.98 Watt and < 2 Watt EIRP (per original grant)

Spurious Limit = $43 + 10\log_{10} PO =$ = 43 dB below the carrier

	Frequency in MHz	Level(dB below carrier)	Harmonics observed within 20 dB of Limit
Ch. 512	1850.20	-0-	
2Fo - 10Fo	3700.40 – 18502.0	> 63	All harmonics > 20 below limit
Ch. 661	1880.00	-0-	
2Fo - 10Fo	3760.00 – 18800.0	> 63	All harmonics > 20 below limit
Ch. 810	1909.80	-0-	
2Fo - 10Fo	381960 – 19098.0	> 63	All harmonics > 20 below limit

At 3 meters EUT to antenna distance, using 1 MHz RBW and VBW. **All** harmonic and spurious emissions up to 20 GHz were at least 20 dB below the limit. Only the fundamental and few of the lower harmonics were measurable. A high pass filter was used during the measurements of the harmonics, to reduce the fundamental signal and avoid overloading the front end of the analyzer.

Applicant: Motorola, Inc.

FCC ID: AZ489FT7002

Test: Equivalent Isotropic Radiated Power

FCC ID: AZ489FT7002

Grantee: Motorola, Inc.

Model: F4413A

Discussion:

Measurements of the EIRP were made at 3 meters EUT to antenna spacing. The EUT was investigated in three mutually orthogonal planes. The maximum levels reported below were observed with the DIAD III on its left side or the handle side of the case down on the turntable. Turntable rotation, combined with antenna height and polarization adjustments were made to maximize the measured levels.

Note: The maximum radiated output, including antenna gain and cable loss must not exceed 2.0 Watts EIRP as stipulated on the original grant of Certification for the FCC ID: IHDT6AC1

FREQUENCY MHz	Spectrum Analyzer Reading dBuV	Ant Factor	Cable Loss	dBuV/m	uV/m	EIRP Watts	EIRP Limit <i>Noted on Grant</i>
Ch.512 1850.0	98.17	27.15	2.2	127.54	2376840	1.69	< 2.0
Ch.661 1880.0	98.33	27.15	2.2	127.68	2421029	1.75	< 2.0
Ch.810 1909.8	98.17	27.15	2.2	127.54	2376840	1.69	< 2.0